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**Title: JP58209059A2: DRY BATTERY**

**Derwent Title:** Dry battery with improved storage performance - has gas-exhausting notch on cap and seals opening with mixt. of asphalt and mineral oil. NoAbstract Dwg 0/5 [\[Derwent Record\]](#)

**Country:** JP Japan  
**Kind:** A

**Inventor:** MIZUTANI KIYOHICO;  
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 SHIGA MASAACKI;

**Assignee:** MATSUSHITA ELECTRIC IND CO LTD  
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**Published / Filed:** 1983-12-05 / 1982-05-28

**Application Number:** JP1982000091575

**IPC Code:** [H01M 2/08](#); [H01M 2/12](#);

**Priority Number:** 1982-05-28 JP1982000091575

**Abstract:** PURPOSE: To increase storage life by installing a cutting off portion for gas release on the inner surface of a resin mold cap of a sealing cover and using an inner sealant obtained by mixing a specified ratio of paraffin or wax to a mixture of asphalt and mineral oil.

CONSTITUTION: A cutting off portion 2 for gas release which releases gas suddenly generating in abnormal discharge such as short or reverse connection is formed in a resin mold cap 1 of a sealing cover. The lower surface of a flange of a cathode terminal cap 1 which is molded with resin of the sealing cover 1 is exposed in the cutting off portion 2 which reaches the top end of the flange of the cap. An inner sealant 3 is prepared by mixing at a ratio of 8:2 ~ 9.5: 0.5 paraffin or wax to a mixture of asphalt and mineral oil. The sealant 3 is filled via a washer 5. Therefore, rupture generating in abnormal discharge such as reverse connection is prevented and sealing effect is kept in normal condition and storage performance is improved.

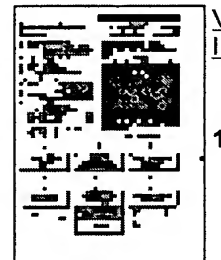
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**Family:** None

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**Forward References:** [Go to Result Set: Forward references \(1\)](#)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
			Tsukamoto;	Quallion	<a href="#">Method and apparatus for amplitude</a>



	US6586912	2003-07-01	Hisashi	LLC	limiting battery temperature spikes
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Other Abstract  
Info:

None



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(19)

(11) Publication number: **582090**

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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **57091575**(51) Intl. Cl.: **H01M 2/08** H01M 2/12(22) Application date: **28.05.82**

(30) Priority:

(43) Date of application  
publication: **05.12.83**(84) Designated contracting  
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LTD**(72) Inventor: **MIZUTANI KIYOHICO  
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SHIGA MASAACKI**

(74) Representative:

**(54) DRY BATTERY**

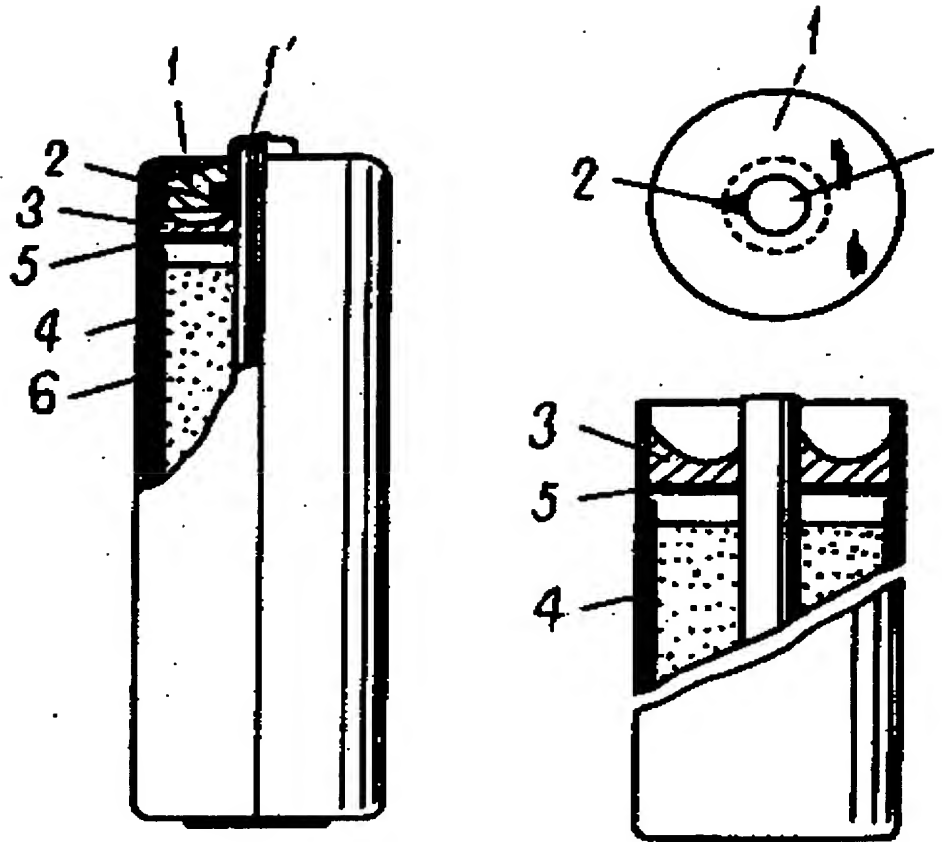
(57) Abstract:

**PURPOSE:** To increase storage life by installing a cutting off portion for gas release on the inner surface of a resin mold cap of a sealing cover and using an inner sealant obtained by mixing a specified ratio of paraffin or wax to a mixture of asphalt and mineral oil.

**CONSTITUTION:** A cutting off portion 2 for gas release which releases gas suddenly generating in abnormal discharge such as short or reverse connection is formed in a resin mold cap 1 of a sealing cover. The lower surface of a flange of a cathode terminal cap 1 which is molded with resin of the sealing cover 1 is exposed in the cutting off portion 2 which reaches the top end of the flange of the cap. An inner sealant 3 is prepared by mixing at a ratio of 8:2 ~ 9.5: 0.5 paraffin or wax to a mixture of asphalt and mineral oil. The sealant 3 is filled via a

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